

AMENDMENT TO THE CLAIMS

1. (Previously presented) A method for regulating the energy flow in an energy network, said network comprising at least a first area of interconnected producers and consumers of energy and a second area of interconnected producers and consumers of energy, in which the energy network comprises at least one network connection that limits the transportation capacity of the energy network between said first area and said second area, the method comprising:

receiving data indicative of intended energy production by the producers and the intended energy consumption by the consumers for each of the first and second areas;
determining isolated energy prices in the first area and in the second area based on supply and demand in each respective area;
determining available transportation capacity of the energy network between said first area and said second area;
determining an effect on energy prices in said first area and in said second area on the basis of the isolated energy prices and a computer simulated transportation of energy over the network connection and on the basis of the available transportation capacity ; and
outputting the effect on energy prices in said first area and the second area for use by at least one of the producers, the consumers and an operator of the network connection.

2. (Previously presented) The method according to claim 1, wherein the energy flow data comprise a common adjusted energy price for the first area and the second area.

3. (Previously presented) The method according to claim 1,

wherein the energy flow data comprise data on actual transportation of energy over the network connection.

4. (Previously presented) The method according to claim 1 and further comprising deciding on the basis of the energy flow data whether bids with regard to the at least one of intended energy production and the intended energy consumption will be accepted.

5. (Previously presented) The method according to claim 1 and further comprising outputting data indicative of rights to transportation capacity to at least one of the producers and the consumers.

6. (Original) The method according to claim 5, wherein the rights to transportation capacity are conditionally made available.

7. (Previously presented) The method according to claim 6, wherein said condition relates to the difference between the isolated energy prices in the areas.

8. (Original) The method according to claim 5, wherein the rights to transportation capacity are made available by making an inter-area bid, whether or not in combination with a bid to sell in one area and a bid to buy in the other area.

9. (Original) The method according to claim 5, wherein the rights to transportation capacity are made available for implicit auctioning by a third party.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Previously presented) A method for regulating the energy flow in an energy network comprising at least a first area of interconnected producers and consumers of energy and a second area of interconnected producers and consumers of energy, in which the energy network comprises a network connection that limits the transportation capacity of the energy network, a communication network comprising a combination server, which is communicatively linked to servers of associated with the producers and/or the consumers in the first area and the second area, the method comprising:

receiving one or more data strings from the servers associated with the producers and the consumers, which data strings contain data on the intended energy production and the intended energy consumption, respectively;

calculating or receiving at the combination server isolated energy prices in the first area and the second area based on supply and demand in each respective area in each respective area;

using the combination server to calculate adjusted energy prices

in the first area and in the second area on the basis of the isolated energy prices and a computer simulated transportation of energy over the network connection and the available transportation capacity of the energy network between said first area and said second area; and outputting energy flow data over the communications network to at least one of the producers, the consumers and to an operator of the network connection.

19. (Previously presented) The method according to claim 18, wherein the energy flow data comprise a common adjusted energy price for the first area and the second area or the adjusted energy prices for the first area and the second area.

20. (Previously presented) The method according to claim 18, wherein the energy flow data comprise data on actual transportation of energy over the network connection.

21. (Previously presented) The method according to claim 18 and further comprising deciding on the basis of the energy flow data whether bids with regard to at least one of the intended energy production and intended energy consumption will be accepted.

22. (Previously presented) The method according to claim 18 and further comprising outputting data indicative of rights to transportation capacity to at least one of the producers and the consumers.

23. (Original) The method according to claim 22, wherein the rights to transportation capacity are conditionally made available.

24. (Previously presented) The method according to claim 23, wherein the condition relates to the difference between the isolated energy prices in the first and second area.

25. (Original) The method according to claim 22 and further comprising making available the rights to transportation by making an inter-area bid, whether or not in combination with a bid to sell in one area and to buy in another area.

26. (Original) The method according to claim 22, wherein the rights to transportation capacity are made available for implicit auctioning by a third party.

27. (Cancelled).

28. (Previously presented) The method according to claim 1 wherein the energy flow data includes at least one of the adjusted energy prices for the first area and the second area, the adjusted energy prices not being equal to each other.